

Title (en)

Sealed monoblock battery having a cooling device

Title (de)

Verschlossene monoblock Batterie mit Kühlungsvorrichtung

Title (fr)

Batterie monobloc étanche munie d'un dispositif de refroidissement

Publication

EP 0933830 B1 20040414 (FR)

Application

EP 98403297 A 19981224

Priority

FR 9800969 A 19980129

Abstract (en)

[origin: EP0933830A1] A sealed one-piece battery has side cooling compartments with fluid circulation grooves extending at an obtuse angle to the battery partition plane. A sealed one-piece battery, operating at ≥ 1 bar relative pressure, has a plastic housing with a cover and a partitioned container and is equipped with a cooling system comprising two plastic side pieces cooperating with the external surface of the two opposite container walls perpendicular to the partition, each side piece defining, with the associated wall, a compartment having chicane-forming grooves for fluid circulation and fluid inlet and outlet openings. The novelty is that the direction of each groove forms an angle of 60-90 degrees with respect to the partition plane.

IPC 1-7

H01M 10/50; **H01M 2/02**

IPC 8 full level

H01M 10/50 (2006.01)

CPC (source: EP US)

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Cited by

CN109546197A; FR3116328A1; CN108886188A; CN113851770A; EP2228851A1; FR2908557A1; EP2293376A4; CN108072289A; US10367241B2; US8197958B2; US9945098B2; US8216713B2; WO2008059123A1; WO2015007360A1; WO2022106247A1; DE102014212181A1; WO2015197310A2; DE102014212181B4

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